



AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

FRANS BRUIN : DIRECTOR

HALIM HOURANI, OBSERVER

BEIRUT, LEBANON

Latitude : $33^{\circ} 54' 22''$ N.

Longitude : $2^{\text{h}} 21^{\text{m}} 52^{\text{s}}$. 7 E.

August 1960

AUGUST 1960

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C Sea level and 45° Latitude 700 mm. †...				Thermometer Degrees Centigrade					
	8.30	41.30	20.30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	54.6	54.0	54.3	54.3	31.0	23.5	28.2	29.7	25.2	27.7
2	54.6	54.7	54.6	54.6	31.2	24.2	27.8	29.9	26.0	27.9
3	54.8	55.0	55.5	55.1	31.8	23.4	28.1	30.7	26.4	28.4
4	55.6	55.9	56.2	55.9	31.4	24.2	27.7	30.0	26.0	27.9
5	57.0	56.4	56.7	56.7	31.8	24.1	28.2	30.2	26.4	28.3
6	56.2	56.1	54.0	55.4	31.3	24.5	29.4	29.5	26.4	28.4
7	54.0	52.8	52.6	53.1	32.5	25.2	28.7	32.0	26.9	29.2
8	52.3	52.2	52.7	52.4	32.4	24.5	28.5	31.6	27.0	29.0
9	54.6	55.1	55.5	55.1	32.4	24.1	28.7	31.4	27.4	29.2
10	55.7	54.7	53.9	54.8	31.8	25.6	28.4	31.0	27.0	28.8
11	53.4	53.3	53.9	53.5	32.3	24.5	29.0	31.6	26.2	28.9
12	54.0	53.8	54.4	54.1	30.2	24.9	28.1	29.0	26.7	27.9
13	55.1	55.0	55.1	55.1	31.0	24.8	28.3	29.6	27.0	28.3
14	55.9	55.4	55.5	55.6	32.2	24.1	28.2	31.8	27.0	29.0
15	55.4	54.1	53.6	54.4	32.4	25.0	28.0	31.6	26.8	28.8
16	53.6	52.7	52.3	52.9	32.2	24.6	28.2	31.4	27.0	28.9
17	52.4	52.4	52.8	52.5	32.1	25.8	28.4	31.3	26.6	28.8
18	53.3	53.5	53.4	53.5	31.8	25.7	28.6	29.3	26.7	28.2
19	54.4	53.7	53.9	54.0	30.0	25.2	27.6	28.8	26.9	27.8
20	54.5	53.6	54.0	54.0	30.6	25.0	28.1	29.6	26.9	28.2
21	54.6	54.1	54.5	54.4	32.5	24.0	29.0	31.9	27.1	29.3
22	55.3	55.1	54.9	55.1	32.0	25.4	27.5	31.5	26.8	28.6
23	55.4	55.7	55.8	55.6	31.3	24.1	28.0	31.0	26.0	28.3
24	56.9	57.2	58.0	57.4	29.8	24.5	27.6	27.7	26.0	27.1
25	58.1	57.4	57.1	57.5	29.8	25.3	26.8	28.5	27.0	27.4
26	56.5	55.6	55.5	55.9	29.0	24.3	27.8	28.2	26.5	27.5
27	54.9	54.8	55.1	54.9	32.6	24.2	28.2	30.8	26.3	28.4
28	55.3	54.9	54.4	54.9	31.9	23.8	27.6	31.0	26.0	28.2
29	54.6	54.5	55.0	54.7	30.0	23.8	27.0	29.2	27.6	27.9
30	55.3	55.2	55.9	55.5	30.0	23.7	27.0	29.3	25.2	27.2
31	57.1	57.1	57.6	57.3	30.1	23.8	26.6	29.5	26.6	27.6
	55.01	54.71	54.80	54.84	31.33	24.51	28.04	30.28	26.57	28.29

Barometer, range 758.1 mm – 752.2 mm

“ “ 71-yrs. average 756.00 mm

Thermometer, range 32.6°C – 23.4°C

“ “ 82-yrs. average 27.8°C

Rain, total for month 0.00

“ “ 82-yrs. average for month 0.4 mm

“ “ total from Sept. 1 629.77 mm

“ “ 82-yrs. average from Sept. 1 892.96 mm

AUGUST 1960

METEOROLOGICAL REGISTRE

Date	Pressure of Water Vapour Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kmsr	m. m.
1	24.9	22.5	23.4	23.6	65	54	73	64	9.1	93	
2	24.7	25.3	25.7	25.2	66	60	76	67	12.0	100	
3	27.3	27.7	26.7	27.2	72	63	77	71	12.0	138	
4	27.1	26.6	26.9	26.9	73	63	80	72	12.2	113	
5	28.6	29.1	29.2	29.0	74	68	85	76	12.0	87	
6	28.6	30.2	29.2	29.3	70	73	85	76	12.4	58	
7	29.2	31.1	28.5	29.6	74	65	80	73	12.4	142	
8	28.0	30.3	30.1	29.4	72	65	84	74	12.1	274	
9	24.7	26.6	26.0	25.8	63	57	71	64	12.0	198	
10	25.2	27.4	27.5	26.7	65	61	77	68	11.8	203	
11	24.3	25.9	26.1	25.4	61	55	76	64	11.8	249	
12	26.7	26.8	27.7	27.1	70	67	79	72	12.1	71	
13	23.0	23.3	26.1	24.1	60	56	73	63	12.3	89	
14	27.5	25.2	25.8	26.2	72	54	73	66	12.2	45	
15	30.3	29.8	29.2	29.8	81	64	83	76	12.2	142	
16	29.2	29.4	30.1	29.6	76	64	84	75	11.4	135	
17	27.2	28.0	28.9	28.0	70	61	83	71	11.9	77	
18	24.1	26.8	27.5	26.1	62	66	79	69	5.2	63	
19	28.1	27.5	28.8	28.1	76	70	81	76	9.5	68	
20	28.4	29.0	26.8	28.1	74	70	76	73	11.5	58	
21	29.8	30.4	27.7	29.3	74	64	77	72	11.8	103	
22	25.6	26.8	24.4	25.6	70	57	70	66	12.0	208	
23	21.5	24.3	23.2	23.0	57	54	69	60	10.3	137	
24	20.9	18.7	14.2	17.9	57	51	44	51	12.1	214	
25	15.3	16.1	18.6	16.7	43	42	52	46	11.8	386	
26	18.0	26.9	29.2	24.7	48	70	84	67	12.0	299	
27	24.9	27.6	28.3	26.9	65	62	82	70	11.8	111	
28	21.8	27.4	27.0	25.4	60	61	80	67	11.8	74	
29	24.8	20.2	16.4	20.5	70	49	45	55	11.2	106	
30	19.5	22.2	21.5	21.1	54	54	67	58	11.9	92	
31	22.8	23.1	22.8	22.9	66	55	66	62	11.8	53	
	25.22	26.20	25.92	25.78	66.4	60.5	74.5	67.2	11.50	135.03	

Height of Barometer above sea level : 33.7 meters.

Height of Thermometers above ground :

Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.

Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M. O. 265.

Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.

Rainfall is read at 20:30 for the preceding 24 hours.

71 year averages are for period, 1875 - 1943

AUGUST 1960

METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	1cu	10st	0	3.7	3sw	3sw	1sw	light	
2	0	9st	0	3.0	3sw	3sw	1sw	"	
3	0	3cu-st	8uu-st	3.7	4sw	3sw	2sw	"	
4	2st	3st	0	1.7	3sw	3sw	0	"	
5	0	0	0	0.0	3sw	3w	0	"	D; p.m.
6	4st	0	0	1.3	3sw	3n	0	light	D; p.m.
7	2st	4cu-st	0	2.0	1sw	3sw	1sw	"	D; p.m.
8	0	2st	0	0.7	4sw	4sw	2sw	"	D; p.m.
9	0	5st	10st-cu	5.0	4sw	4sw	2sw	"	
10	2st	4st	0	2.0	4sw	4sw	4sw	"	
11	1cu	0	0	0.3	3sw	3sw	0	light	
12	0	0	0	0.0	3ne	3ne	0	"	
13	0	0	0	0.0	3n	2ne	0	"	
14	2ci	0	0	0.7	1w	1nw	0	"	
15	6st	0	0	2.0	4sw	3sw	1sw	"	D; ~~am~~ p.m
16	4st	0	0	1.3	3sw	3sw	2sw	light	D; p.m.
17	0	1st	0	0.3	4sw	3sw	1sw	"	D; p.m.
18	0	10st	0	3.3	3sw	3w	0	"	
19	9st	0	0	3.0	3ne	3ne	1ne	"	D; p.m.
20	0	0	0	0.0	3w	2w	0	"	
21	3st-ci	0	0	1.0	3sw	4sw	2sw	light	
22	0	4st	3st-cu	2.3	4sw	4sw	4sw	"	
23	6cu-st	7st	1cu	4.7	3sw	3sw	0	"	
24	1cu-st	0	0	0.3	3w	4ne	4ne	slight	
25	0	0	0	0.0	3ne	4ne	5ne	"	
26	0	0	0	0.0	3ne	3ne	1ne	light	D; p.m.
27	0	0	0	0.0	3sw	3w	0	"	D; p.m.
28	0	1ci	0	0.3	1sw	2w	0	"	
29	0	0	0	0.0	1n	3ne	3ne	"	
30	0	0	0	0.0	2ne	3nw	0	"	
31	0	0	0	0.0	1ne	3ne	2ne	"	
				1.37					

Abbreviation : G = gale ; H = haze ; M = mist ; T = Thunderstorm ; D - dew
W = strong wind ; Tr = trace of rain

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	2	6	0	0	0	20	3	0	0	31
14:30	1	8	0	0	0	15	5	2	0	31
20:30	0	6	0	0	0	12	0	0	13	31
Total	3	20	0	0	0	47	8	2	13	93

Number of days with rain 0, fog 0, thunderstorm 0, gale. 0

7 1/2 yr. av. number of days with rain during month 0.18

Time of reading minus 2 hours equals G.C.T